



United States
ENVIRONMENTAL PROTECTION AGENCY

OMB Control No. 2070-0020
Expires on 11/30/2016

Washington, DC 20460

Notice of Arrival of Pesticides and Devices

Send Completed Form to Appropriate Regional Office Listed in the Instructions for this Form.

Note: Read Instructions before completing form.

Part 1: To Be Completed by Importer of record or Licensed Customs Broker

1. Name and Complete Address of Licenced Customs Broker

Global Container Line Attn: Maria Manago
1338 West 228th Street Suite A
Torrance, CA 90501 T: 310-222-6200 Ext:313

2. Name and Complete Address of Importer of Record

Nufarm Americas Inc.
11901 South Austin Avenue
Alsip, IL 60803 T: 708-377-1330

☒ Return Form to this Address

☐ Return to this Address

3. Name and Complete Address of Shipper

Jiangsu Institute of Ecomones Co, LTD
95 Huanyuan N. Road
Economic Development Zone
Jintan, Jiangsu, China 213200

4. EPA Registration Number

35935-50

5. EPA Producer Establishment No.

82994-CHN-001

6. Brand Name of Product

CHLORIMURON ETHYL TECHNICAL

7. Active Ingredients and Percentage of Each

Chlorimuron Ethyl: Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-yl)-amino]carbonyl]sulfonyl]benzoate 97.0%

8. Unit Size

50Kg

9. Quantity

261

10. Total Net Weight

13,050 Kg

11. Country of Origin

China

12. Port of Entry

Seattle, WA

13. Name and Complete Address of Carrier

APL
16220 North Scottsdale Road Suite 300
Scottsdale, Arizona 85254 USA
Tel: (1) (602) 586 4800
Fax: (1) (602) 586 4861
United Global

14. Entry Number

H41-2563584-1

15. Anticipated Entry Date

July 10, 2014

17. Location of Goods for Examination after Importation

Port of Seattle

16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks 4, 5, 6 and 7 are not entitled to CBI treatment—see instructions.)

18. [Optional] For pesticides without an EPA Registration No., select all that apply: (The following information may expedite the processing of the Notice of Arrival.)

☐ 18a. A pesticide transferred between registered establishments operated by the same producer. Domestic Producer Establishment Number: _____

☐ 18b. A pesticide transferred between registered establishments not operated by the same producer. Domestic Producer Establishment Number: _____ EPA Registration Number of Product being Formulated, if applicable: _____

☐ 18c. A pesticide distributed under an Experimental Use Permit. Experimental Use Permit Number: _____

EPA Registration Number: 35935-50	Product Name: CHLORIMURON ETHYL TECHNICAL
Total Net Weight: 13,050 Kg	Entry Number: H41-2563584-1

- ☐ 18d. A Pesticide distributed for research and development purposes without an Experimental Use Permit.
- ☐ 18e. A pesticide transferred solely for export. Domestic Producer Establishment Number: _____
- ☐ 18f. A pesticide distributed under an emergency exemption. Emergency Exemption Number: _____
- ☐ 18g. A pesticide transferred for the purposes of disposal.
- ☐ 18h. Other. Provide an explanation including the intended use and a description of why the product is being imported into the United States in Block 19 -- Remarks.

19. Remarks. Provide additional information here. It is recommended that a copy of the label affixed to the product be submitted with the NOA.

see attached documentation

Certification

I certify that the statements I made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

20. Printed Name of Importer of Record or Licensed Customs Broker

Vic Sweetwood

Telephone No.: 708-757-2904

21. Signature of Importer of Record or Licensed Customs Broker:

Vic Sweetwood

Date: July 3, 2014

Part II: To Be Completed by U.S. Environmental Protection Agency

Action to be taken by U.S. Customs and Border Protection:

- ☒ Release Shipment ☐ Detain for inspection ☐ Release shipment to consignee under bond. Shipment must be held intact pending inspection.
- ☐ Other. (Specify)

Remarks:

Signature and Title of EPA Official:

[Signature]

Date:

Part III: To Be Completed by U.S. Customs and Border Protection

The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing the shipment and should be noted in "Remarks."

Remarks:

Signature of District Director of Customs:

Date:

Paperwork Reduction Act Notice: The estimated average time to read the instructions and complete this form is 26 minutes. Send comments regarding the burden estimates or any other aspect of this collection of information to: Director, Collection Strategies Division, Office of Environmental Information (OEI), U.S. Environmental Protection Agency (Mail Code 2822), 1200 Pennsylvania Avenue, NW, Washington, DC 20460. Include OMB number 2070-0020 in any correspondence.

CHLORIMURON ETHYL TECHNICAL

FOR FORMULATION USE ONLY

ACTIVE INGREDIENT:

Chlorimuron Ethyl 2-[[[4-chloro-6-methoxy-pyrimidin-2-yl)-amino]carbonyl]amino]sulfonfylbenzoate: 97.0%
OTHER INGREDIENTS: 3.0%
TOTAL: 100.0%

EPA Reg. No. 35935-50

EPA Est. No. 82994-CHN-001

KEEP OUT OF REACH OF CHILDREN
CAUTION

For Chemical Spill, Leak, Fire, or Exposure,
Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

	FIRST AID
IF SWALLOWED	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.• Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes.

INSTRUCTIONS FOR FORMULATION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Only for formulation into a herbicide for the following uses:

- 1.) Terrestrial Food Uses - Soybeans and Peanuts; Terrestrial Noncrop Uses;
- 2.) Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration;
- 3.) Uses for experimental purposes that are in compliance with USEPA requirements.

Each formulator is responsible for obtaining EPA registration for their end-use product(s).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE DISPOSAL: Store product in original container only.

or on-site or at an approved waste disposal facility. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Nonrefillable container: Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY


TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUITS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYERS OR USERS EXCLUSIVE REMEDY, AND MANUFACTURERS OR SELLERS TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unprompted to the Seller, and the purchase price will be refunded.

(FV051011-3)

Product of China

NET WEIGHT: 110 LBS (50 KG)

Manufactured for
NUFARM LIMITED
4020 Aerial Center Parkway
Morrisville, NC 27560




SEA WAYBILL

Web Page Copy, Not A Negotiable Document

BL Status: Complete

SHIPPER (Principal or Seller licensee and full address) NUFARM CHEMICAL (SHANGHAI)CO.,LTD. 25D INTERNATIONAL SHIPPING&FINANCE BUILDING,720 PUDONG AVE,SHANGHAI, CHINA ZIP CODE 20120 TEL:021-50367200 FAX:021-50367203	BOOKING NUMBER B/L NUMBER 067654049 APLU 067654049 EXPORT REFERENCE CR# SHHY1406E0025868
CONSIGNEE (Non-Negotiable Unless Consigned to Order) (Unless provided otherwise, a consignment *To order means To Order of Shipper.) NUFARM AMERICAS INC 11901 SOUTH AUSTIN AVENUE ALSIP,IL 60803 CONTACT: VIC SWEETWOOD (PH) 708 757 2904 (FAX) 708 755 **	FORWARDING AGENT (References F.M.C. No.) SINOTRANS EASTERN COMPANY
NOTIFY PARTY (Name and Full Address) NUFARM AMERICAS INC 11901 SOUTH AUSTIN AVENUE ALSIP,IL 60803 CONTACT: VIC SWEETWOOD (PH) 708 757 2904 (FAX) 708 755 *** INITIAL CARRIAGE (MODE) PLACE OF RECEIPT SHANGHAI, CHINA EXPORT CARRIER PORT OF LOADING (Vessel, voyage, flag) SHANGHAI, CHINA H. GLOBAL 031E PORT OF DISCHARGE PLACE OF DELIVERY SEATTLE SSA TERMINAL CHICAGO,IL	POINT AND COUNTRY OF ORIGIN OF GOODS SHANGHAI, CHINA 200432 ALSO NOTIFY/Domestic Routing/Export Instructions/ Pier Terminal/Onward Routing From Point Of Destination EXPEDITORS INTERNATIONAL 849 THOMAS DRIVE BENSENVILLE, IL 60106, USA ATTN: BRYNN WISZ T: 630 616 2318

Excess Valuation Please refer to Clause 7 (iii) on Reverse Side **PARTICULARS FURNISHED BY SHIPPER** Payment by Cheque must be made to the order of AMERICAN PRESIDENT LINES, LTD

MKS. & NOS/ Container NOS.	No. OF PKGS DESCRIPTION OF PACKAGES AND GOODS	GROSS WEIGHT	MEASUREMENT
N/M	SC GB13/0273E 261 DRMS SLAC CY/CY 13963.500KG 30.000M3 XENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. CHLORIMURON ETHYL HS:29350090.12 CL:9 UN:3077 PG:III CHEMICAL NAME:ETHYL 2-(4-CHLORO-6-METHOXYPYRIMIDIN-2- YL)AMINO CARBONYL AMINO SULFONY BENZOATE CLASS:9 UNDG NO:3077**2413 NUFARM. IMPORTS@US.NUFARM.COM***2413 NUFARM.IMPORTS@US.NUFARM.COM		

FREIGHT PREPAID

CTR NBR *SEAL NBR** T/S HT MODE QUANT/TYPE WEIGHT MSMT
 APZU482575-5 AN40069773 D40 86 CY/CY 261 DRMS 13963.50KG 30.000M3
 TOTAL 261 DRMS 13963.50KG 30.000M3

** SHIPPER'S LOAD, STOW AND COUNT **

B/L NUMBER TO BE RELEASED AT SHANGHAI, CHINA OCEAN FREIGHT PAYABLE AT SHANGHAI, CHINA

FREIGHT RATES CHARGES, WEIGHTS AND/OR

MEASUREMENTS (SUBJECT TO CORRECTION)

PREPAID U.S. \$ COLLECT U.S. \$ Local Currency

L8F 031 TOTAL PREPAID
 Vessel Voyage Office TOTAL
 COLLECT

13988001	00713832	00344599	SHA	XMY	CHI	Y	APLU 067654049
FCC	FORWARDER	SHIPPER	CONSIGNEE	LD. PORT	DIS. PORT	DEST. NOTIFY	CSC B/L NUMBER

Issued Date JUN.
27,2014

Thank You For Shipping AMERICAN PRESIDENT
LINES, LTD

Place
Issued



Nufarm Labuan Pte Ltd (LL05153)

Brighton Business Centre
Brighton Place, OF1-8, 1st Floor
Lot U0215, Jalan Bahasa
87000 Labuan F.T. Malaysia
Telephone: +60 87 415802
Facsimile: +60 87 416802

PACKING LIST


Nufarm Americas Inc
11901 South Austin Avenue
Alsip, IL 60803, U.S.A.

No. : 603712
Date : 27 June 2014
Order ref. : 22432

Description of Goods	Net Weight	Gross Weight
CHLORIMURON TECH 97%	13,050 kg	13,963.5 kg
Total Quantity: 261 drums x 50 kg, loaded into 1 x 40' container		

Delivery: By sea freight from Shanghai, China to Chicago Heights Rail Ramp, IL, USA
Container / Seal No.: APZU4825755 / AN40069773
Country of Origin: China
Shipping Marks: N/M

For and on behalf of
NUFARM LABUAN PTE LTD


.....



Nufarm Labuan Pte Ltd (LL05153)

Brighton Business Centre
Brighton Place, OF1-8, 1st Floor
Lot U0215, Jalan Bohaca
87000 Labuan F.T. Malaysia
Telephone: +60 87 415802
Facsimile: +60 87 415802

27 June 2014

CERTIFICATE OF ORIGIN

TO WHOM IT MAY CONCERN,

We hereby certify that the CHLORIMURON TECH 97% shipped under Bill of Lading number APLU 067654049 been manufactured in the Republic of China.

For and on behalf of
NUFARM LABUAN Pte Ltd

A handwritten signature in black ink, appearing to be 'AL' or similar, is written over a dotted line.



SHANGHAI JOYWING INTERNATIONAL TRANSPORTATION CO., LTD

Add: DeBao Road NO.376 No.28 the west part of department Waigaoqiao Free Trade Zone Pudong, Shanghai china.200131

Tel: 0086-021-50483636*4753 Fax: 0086-021-50484753 E-fax: 021-51714651*107

Contact: Rachel Lisa

Ship Name: HYUNDAI GLOBAL Voyage Number: 031E

Container or Bill Of Lading Number: APLU067654049
APZU4825755

PROHIBITED PACKAGING MATERIAL STATEMENT

(Such as Straw, Bamboo, Peat, Hay Chaff, used fruit and vegetable cartons etc.)

Have prohibited packaging materials or bamboo products been used as packaging or dunnage in the consignment covered by this document

YES ☐

NO ☒

TIMBER PACKING

(Timber packing includes: Crates, dunnage, pallets skids and any other timber used as a shipping aid.)

Has Timber packing been used in the consignment listed above?

YES ☐

NO ☒

ISPM 15: Is all the timber packing marked with ISPM 15 compliant stamps

YES ☐

NO ☒

**REMARKS; ALL PALLETS ARE CONSTRUCTED FROM RECONSTITUTED /
MANUFACTURED TIMBER**

BARK

(Bark is the external layer covering trees and branches.)

If timber packing is used, is it free from bark?

YES ☐

NO ☒

If goods are not free of plastic wrapping does the plastic wrapping have holes in it to allow the fumigant to penetrate or was the plastic wrapping added after fumigation.

YES ☒

NO ☐

CONTAINER CLEANLINESS STATEMENT

The container(s) covered by this document has/have been cleaned and is/are free from material of animal and/or plant origin and soil.

Signed: Wen

Date: 2014-6-30

MULTIMODAL DANGEROUS GOODS FORM

This form may be used as a dangerous goods declaration as it meets the requirements of SOLAS 74, chapter VII, regulation 4; MARPOL 73/78, Annex III, regulation 4

1 Shipper/Consignor/Sender NUFARM CHEMICAL (SHANGHAI) CO., LTD. 13B INTERNATIONAL SHIPPING&FINANCE BUILDING,720 PUDONG AVE,SHANGHAI,CHINA TEL:021-50367200 FAX:021-50367203		2 Transport document number APLU067654049			
3 Page 1 of 1 pages		4 Shipper's reference			
		5 Freight Forwarder's reference			
6 Consignee NUFARM AMERICAS INC 11901 SOUTH AUSTIN AVENUE ALSIP,IL 60803 (PH) 708 377 1369 (FAX) 708 755 2413 NUFARM.IMPORTS@US.NUFARM.COM		7 Carrier (to be completed by the carrier)			
8 This shipment is within the limitations prescribed for: (Delete non-applicable) <table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	SHIPPER'S DECLARATION I hereby declare that the contents of this consignment are fully and accurately described below by the Proper Shipping Name, and are classified, packaged, marked and labelled/placarded and are in all respects in proper condition for transport according to the applicable international and national governmental regulations.	
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
9 Additional handling information 24HRS EMERGENCY TEL: 1-800-424-9300 Acct# CCN 16108 Offeror Name:NUFARM CONTACT PERSON:CHEMTREC					
10 Vessel/flight no. and date HYUNDAI GLOBAL/031E	11 Port/place of loading SHANGHAI,CHINA				
12 Port/place of discharge SEATTLE	13 Destination CHICAGO,IL				
14 Shipping marks	Number and kind of packages; description of goods	Gross mass (kg)	Net mass (kg)		
PRODUCT MARKS	261 DRUMS UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CHLORIMURON) CLASS:9 PG III MARINE POLLUTANT EMS:F-A,S-F	13963.50 KGS	13050.00 KGS		
		30			
15 Container identification No./ vehicle registration No. APZU4825755	16 Seal number(s) AN40069773	17 Container/vehicle size & type 40GP*1	18 Tare mass (kg) 3800		
		19 Total gross mass (Including tare) (kg) 18063.5			
CONTAINER/VEHICLE PACKING CERTIFICATE I hereby declare that the goods described above have been packed/ loaded into the container/vehicle identified above in accordance with the applicable provisions. MUST BE COMPLETED AND SIGNED FOR ALL CONTAINER/VEHICLE LOADS BY PERSON RESPONSIBLE FOR PACKING/LOADING		21 RECEIVING ORGANISATION RECEIPT Received the above number of packages/containers/trailers in apparent good order and condition unless stated hereon: RECEIVING ORGANISATION REMARKS:			
20 Name of company 		22 Name of company (OF SHIPPER PREPARING THIS NOTE) NUFARM CHEMICAL (SHANGHAI) CO., LTD.			
Name/Status of declarant LILLI CHE		Name/status of declarant QIONA,OP			
Place and date 2014-5-23		Place and date 2014-6-20			
Signature of declarant 		Signature of declarant 			



For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night
Domestic North America: 800-424-9300
International: 703-527-3887

For Medical Emergencies Only Call 877-325-1840

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chlorimuron Ethyl Technical
EPA Reg. No.: 35935-50
Synonyms: Chlorimuron Ethyl; Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-yl) amino] carbonyl] amino] sulfonyl] benzoate
Product Type: Herbicide
Company Name: Nufarm Limited
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Date of Issue: November 14, 2011
Sections Revised: 14
Supersedes: September 26, 2011

2. HAZARDS IDENTIFICATION

Emergency Overview:

Appearance and Odor: White powder with a mild odor.

Warning Statements: Caution. Keep out of reach of children. Harmful if swallowed. Avoid breathing dust. Avoid contact with skin, eyes, or clothing.

Potential Health Effects:

Likely Routes of Exposure: Inhalation, eye and skin contact.

Eye Contact: Mildly irritating based on toxicity studies.

Skin Contact: Slightly toxic and non-irritating based on toxicity studies.

Ingestion: Very low toxicity if swallowed based on toxicity studies.

Inhalation: Low inhalation toxicity based on toxicity studies.

Medical Conditions Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

See Section 11: TOXICOLOGICAL INFORMATION for more information.

Potential Environmental Effects:

Based on current data, chlorimuron ethyl is practically non-toxic to fish, waterfowl and upland game birds.

See Section 12: ECOLOGICAL INFORMATION for more information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	% BY WEIGHT
Chlorimuron ethyl	90982-32-4	97.0
Other Ingredients		3.0

4. FIRST AID MEASURES

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Flammability Limits: Not applicable

Extinguishing Media: Recommended for large fires: foam or water spray. Recommended for small fires: dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards: If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.

Hazardous Decomposition Materials (Under Fire Conditions): May produce oxides of carbon and nitrogen.

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 1 Flammability: 1 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Other Information: Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

Handling:

Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

Storage:

Store product in original container only. Do not contaminate water, food, or feed by storage and disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

Personal Protective Equipment:

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long-sleeved shirt and long pants, shoes, socks, and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

Exposure Guidelines:

Component	OSHA		ACGIH		Unit
	TWA	STEL	TWA	STEL	
Chlorimuron Ethyl	NE	NE	NE	NE	

NE = Not Established

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White powder with a mild odor.

Boiling Point: Not applicable

Density: 36.5 pounds/cubic foot

Evaporation Rate: Not applicable

Freezing Point: Not applicable

Melting Point: 180 – 182 °C

pH: 4 -5 (1% solution)

Solubility in Water: 1200 ppm @ 25°C pH 7

Specific Gravity: Not applicable

Vapor Density: Not applicable

Vapor Pressure: 5.33×10^{-7} mPa @ 25°C

Viscosity: Not applicable

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions.

Conditions to Avoid: Excessive heat. Do not store near heat or flame.

Incompatible Materials: Strong oxidizing agents: bases and acids.

Hazardous Decomposition Products: Under fire conditions may produce oxides of carbon and nitrogen.

Hazardous Reactions: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION**Toxicological Data:**

Data from laboratory studies conducted on Chlorimuron-Ethyl Technical:

Oral: Rat LD₅₀: >5,000 mg/kg

Dermal: Rabbit LD₅₀: >2,000 mg/kg

Eye Irritation: Rabbit: Mildly irritating

Skin Irritation: Rabbit: Non-irritating

Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to chlorimuron ethyl may cause effects to liver and blood.

Carcinogenicity / Chronic Health Effects: Prolonged overexposure to chlorimuron ethyl may affect liver and blood chemistry. Chlorimuron ethyl did not cause cancer in laboratory animal studies.

Reproductive Toxicity: Reproductive data for chlorimuron ethyl in rats show nutritional and organ effects in offspring only at levels which produce other toxic effects in the adult animal. There were no effects on fertility or lactation indices in rats.

Developmental Toxicity: For chlorimuron ethyl, exposure of pregnant rabbits caused developmental delays in the fetus at maternally toxic doses. However, studies in rats produced no evidence of developmental toxicity.

Genotoxicity: Tests have shown that chlorimuron ethyl does not cause genetic damage in bacterial or mammalian cell cultures, or in animals.

Assessment Carcinogenicity: None listed with ACGIH, IARC, NTP or OSHA.

See Section 2: HAZARDS IDENTIFICATION for more information.

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Data on Chlorimuron Ethyl Technical:

96-hour LC₅₀ Bluegill: 100 mg/l

96-hour LC₅₀ Rainbow Trout: >1,000 mg/l

48-hour EC₅₀ Daphnia: >10 mg/l

Bobwhite Quail 8-day Dietary LC₅₀: >5,620 ppm

Mallard Duck 8-day Dietary LC₅₀: >5,620 ppm

Mallard Duck Oral LD₅₀: >2,510 mg/kg

Environmental Fate:

Microbial degradation of chlorimuron ethyl is fairly slow in all soil pH values with an average half-life of 7 to 8 weeks. Chlorimuron ethyl persists longer in high pH soils. Mobility and movement in soils is determined by the amount of herbicide adsorbed to the soil and is dependent on the soil pH and organic matter content. Chlorimuron ethyl is more highly adsorbed to organic matter at lower pHs. Photodegradation is not an important degradation mechanism.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method:**

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional office for guidance.

Container Handling and Disposal:

Paper or Plastic Bag: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Fiber Drums with Liner: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then offer for recycling, if available, or dispose of liner in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this MSDS.

DOT:

< 882 pounds: Non Regulated

≥ 882 pounds: UN3077, Environmentally hazardous substance,
solid, n.o.s., (chlorimuron-ethyl), 9, III (Marine Pollutant)

IMDG:

UN3077, Environmentally hazardous substance,
solid, n.o.s., (chlorimuron-ethyl), 9, III (Marine Pollutant)

IATA:

UN3077, Environmentally hazardous substance,
solid, n.o.s., (chlorimuron-ethyl), 9, III (Marine Pollutant)

15. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):
Immediate

Section 313 Toxic Chemical(s):

Chlorimuron ethyl (CAS No. 90982-32-4) 97% by weight in product

Reportable Quantity (RQ) under U.S. CERCLA:

None

RCRA Waste Code:

None

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65: Not listed.

16. OTHER INFORMATION

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This MSDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

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